

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS ✓
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

2u Hiraki v. 27.06.03

公開実用 昭和63- 124659

PA00-569
reference 1

⑩ 日本国特許庁(JP)

⑪ 実用新案出願公開

⑫ 公開実用新案公報(U)

昭63-124659

⑬ Int. Cl.

識別記号

庁内整理番号

⑭ 公開 昭和63年(1988)8月15日

G 01 N 27/28

F-7363-2G

B-7363-2G

J-7363-2G

審査請求 未請求 (全 頁)

27/30

⑮ 考案の名称 酵素電極測定部

⑯ 実 願 昭62-15876

⑰ 出 願 昭62(1987)2月5日

⑱ 考 案 者 刈 米 昭 夫

兵庫県尼崎市常光寺4丁目3番1号 神崎製紙株式会社神崎工場内

⑲ 考 案 者 林 隆 造

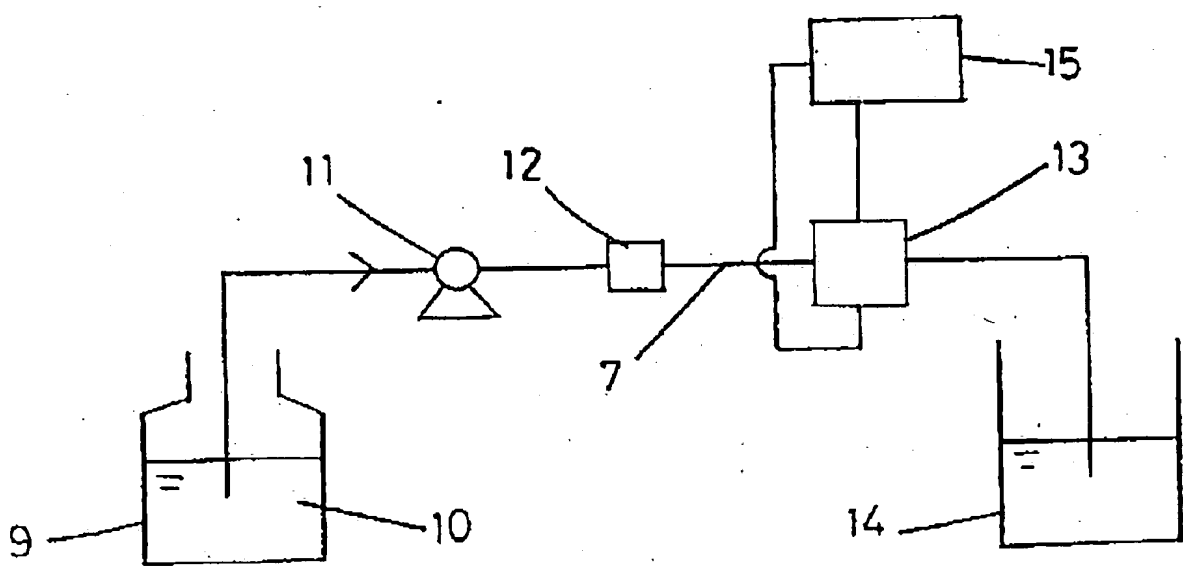
兵庫県尼崎市常光寺4丁目3番1号 神崎製紙株式会社神崎工場内

⑳ 出 願 人 神崎製紙株式会社

東京都千代田区神田小川町3丁目7番地

㉑ 代 理 人 弁理士 蓮 見 勝

第 1 図



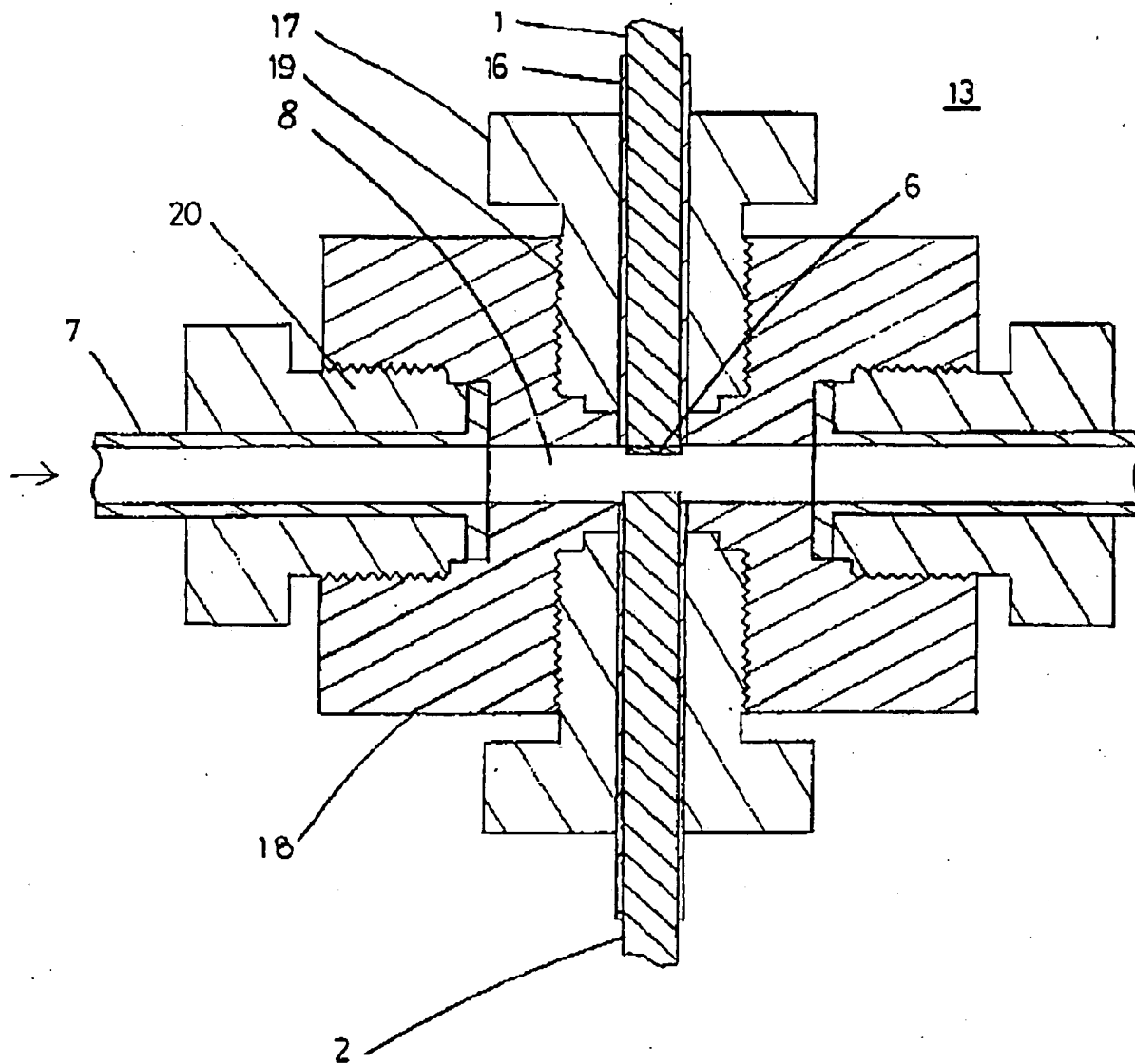
実用新案登録出願人 神崎製紙株式会社

798

実開 63-1246

公開実用 昭和63- 124659

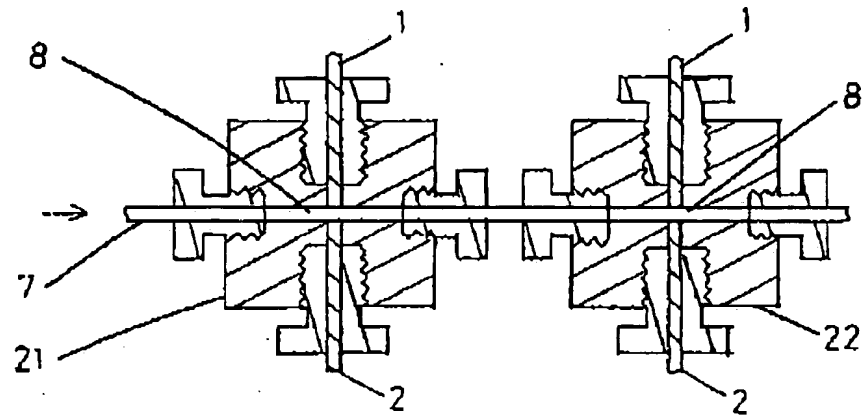
第 2 図



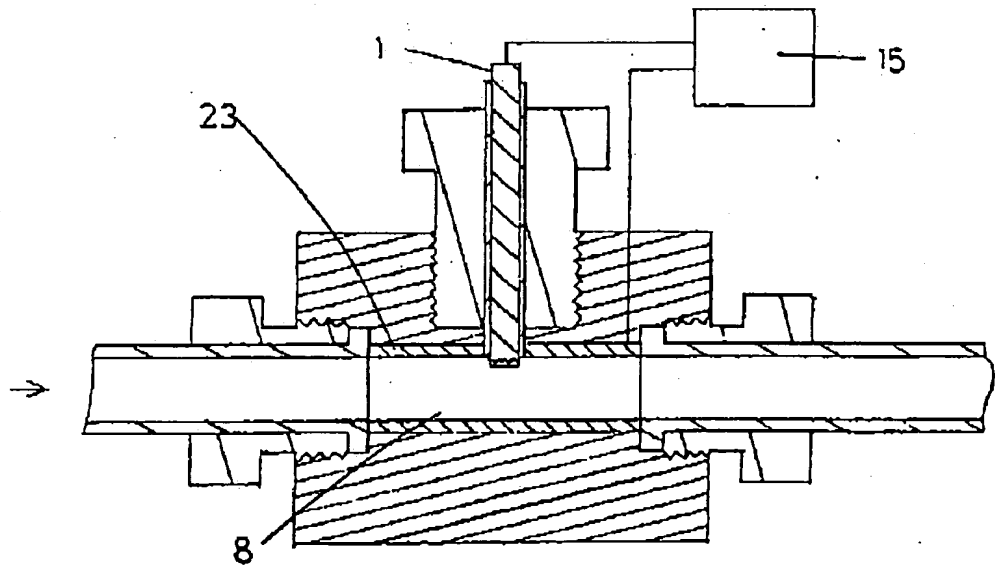
実用新案登録出願人 神崎製紙株式会社

実用 63-1

第 3 図



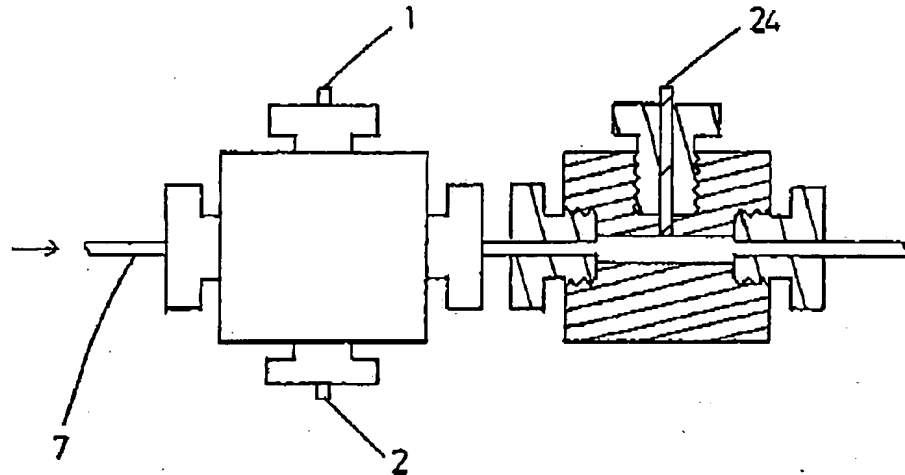
第 4 図



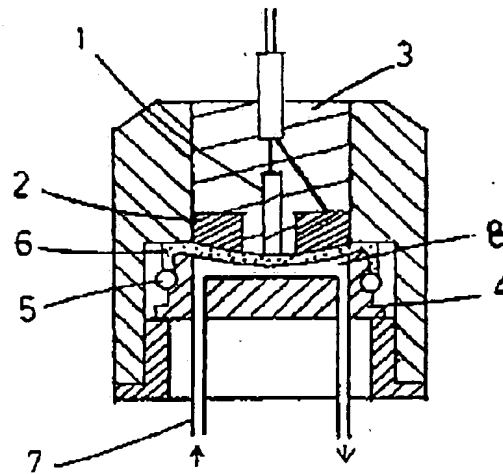
800

公開実用 昭和63- 124659

第 5 図



第 6 図



実用新案登録出願人 神崎製紙株式会社

A partial English translation of Reference 1

Claim 1:

An enzyme electrode measuring unit comprising a working electrode (1), a counter electrode (2), an immobilized enzyme membrane (6) and a flow cell (18), characterized in that the immobilized enzyme membrane (6) are directly formed on the working electrode (1) and the working electrode (1) is attached to the flow cell (18) detachably independently from the counter electrode (2).

Page 5, lines 12-14:

The working electrode (1) has an immobilized enzyme membrane directly formed onto the conducting material such as platinum, gold, graphite, etc.

Fig. 2:

Fig. 2 is a cross-sectional view of one embodiment of the enzyme electrode measuring unit of Reference 1. The meanings of the numbers are as follows.

- 1...working electrode
- 2...counter electrode
- 6...immobilized enzyme membrane
- 7...flow pipe
- 8...measurement chamber
- 13...enzyme electrode measuring unit
- 16...insulative coating
- 17...insulative screw
- 18...flow cell
- 19, 20...thread

Fig. 3:

Fig. 3 is a cross-sectional view of one embodiment of two connected enzyme electrode measuring units of Reference 1. The meanings of the numbers are as follows.

- 1...working electrode
- 2...counter electrode
- 7...flow pipe
- 8...measurement chamber
- 21...enzyme electrode measurement unit for glucose
- 22...enzyme electrode measurement unit for ethanol